=> file caplus
FILE 'CAPLUS' ENTERED AT 15:19:48 ON 15 JAN 2003


FILE COVERS 1907 - 15 Jan 2003 VOL 138 ISS 3
FILE LAST UPDATED: 14 Jan 2003 (20030114/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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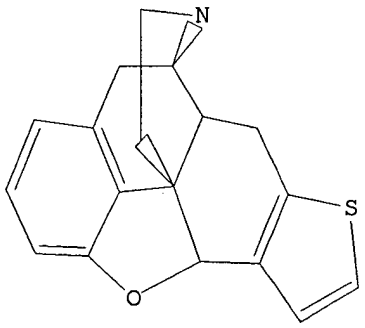
L4 STR




Structure attributes must be viewed using STN Express query preparation.
L6 7 SEA FILE=REGISTRY SSS FUL L4
L7 1 SEA FILE=CAPLUS L6

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L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:137031 CAPLUS
DOCUMENT NUMBER: 134:178714
TITLE: Preparation of pyridomorphinans and thienomorphinans
INVENTOR(S): Ananthan, Subramaniam
PATENT ASSIGNEE(S): Southern Research Institute, USA
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

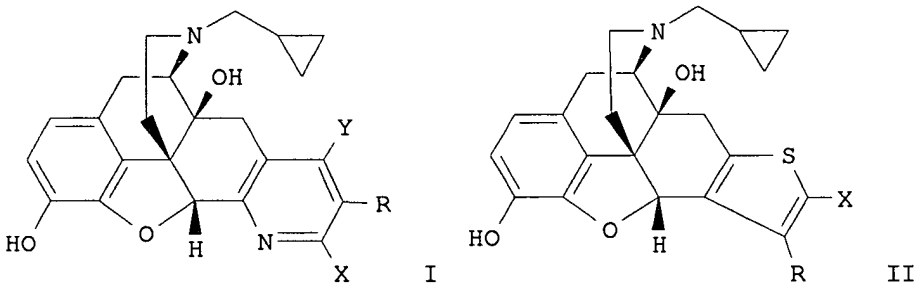
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| WO 2001012197 | A1 | 20010222 | WO 2000-US22094 | 20000814 | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, | | | | |
| | CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, | | | | |
| | HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, | | | | |
| | LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, | | | | |
| | SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, | | | | |
| | YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, | | | | |
| | DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, | | | | |
| | CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1210084 | A1 | 20020605 | EP 2000-953999 | 20000814 | |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | | |
| | IE, SI, LT, LV, FI, RO, MK, CY, AL | | | | |

PRIORITY APPLN. INFO.: US 1999-148581P P 19990813
WO 2000-US22094 W 20000814

OTHER SOURCE(S): MARPAT 134:178714

GI



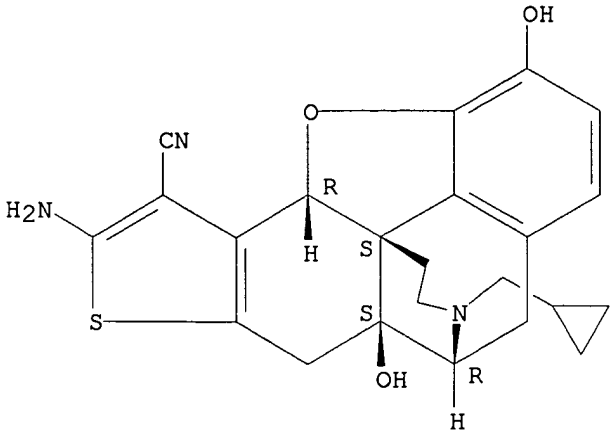

AB The title compds. I and II (Y, X and R individually is selected from the group consisting of H, HO, halo, CF3, NO2, CN, NH2, COR1 and CO2R2; R1 = alkyl, aryl, alkaryl, NH2; R2 = alkyl, aryl, aralkyl; at least one of Y, X, and R is other than H) and their pharmaceutically acceptable salts were prepd. as analgesics, immunomodulators, and for treating drug abuse. Thus, nalrexone was treated with 2-bromo-3-(dimethylamino)acrolein to give I (R = Br, X = Y = H). The opioid receptor binding affinity Ki (nM) for .delta. and .mu. receptors of I (R = Br, X = Y = H) in homogenates of rat brain membranes were 1.2 .+-. 0.13 and 15 .+-. 1.0, resp.

IT **326854-29-9P 326854-30-2P 326854-31-3P**
**326854-32-4P 326854-33-5P 326854-34-6P**
**326854-35-7P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyridomorphinans and thienomorphinans as analgesics and immunomodulators)

RN 326854-29-9 CAPLUS

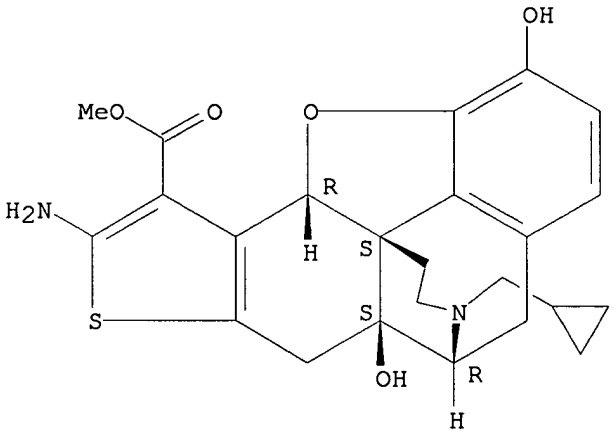
CN 4,8-Methano-5H-benzofuro[3,2-e]thieno[3,2-g]isoquinoline-12-carbonitrile, 11-amino-7-(cyclopropylmethyl)-6,7,8,8a,9,12b-hexahydro-1,8a-dihydroxy-, (4bS,8R,8aS,12bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



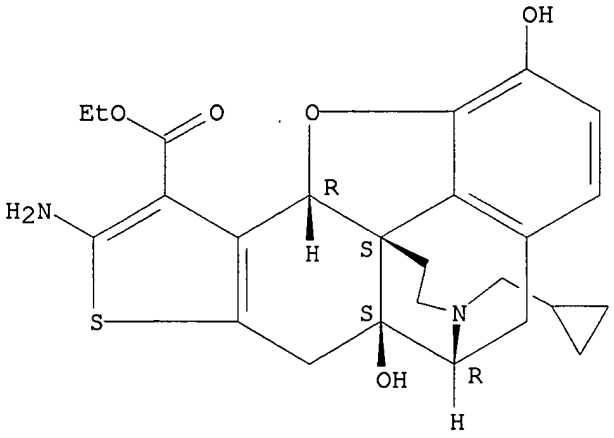

RN 326854-30-2 CAPLUS
CN 4,8-Methano-5H-benzofuro[3,2-e]thieno[3,2-g]isoquinoline-12-carboxylic acid, 11-amino-7-(cyclopropylmethyl)-6,7,8,8a,9,12b-hexahydro-1,8a-dihydroxy-, methyl ester, (4bS,8R,8aS,12bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



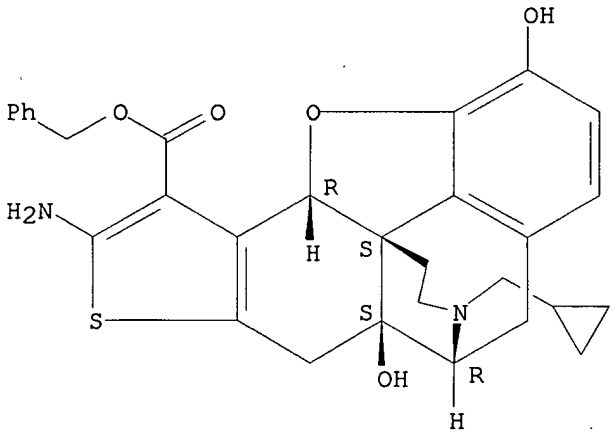

RN 326854-31-3 CAPLUS
CN 4,8-Methano-5H-benzofuro[3,2-e]thieno[3,2-g]isoquinoline-12-carboxylic acid, 11-amino-7-(cyclopropylmethyl)-6,7,8,8a,9,12b-hexahydro-1,8a-dihydroxy-, ethyl ester, (4bS,8R,8aS,12bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



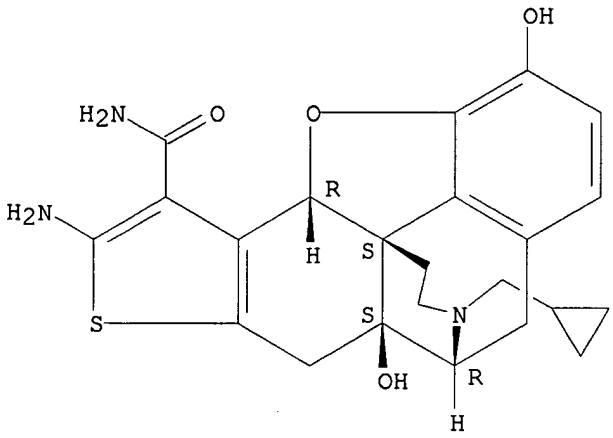
RN 326854-32-4 CAPLUS
CN 4,8-Methano-5H-benzofuro[3,2-e]thieno[3,2-g]isoquinoline-12-carboxylic acid, 11-amino-7-(cyclopropylmethyl)-6,7,8,8a,9,12b-hexahydro-1,8a-dihydroxy-, phenylmethyl ester, (4bS,8R,8aS,12bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



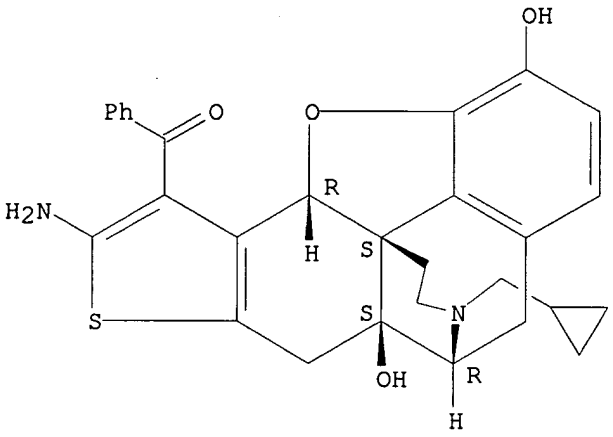
RN 326854-33-5 CAPLUS
CN 4,8-Methano-5H-benzofuro[3,2-e]thieno[3,2-g]isoquinoline-12-carboxamide, 11-amino-7-(cyclopropylmethyl)-6,7,8,8a,9,12b-hexahydro-1,8a-dihydroxy-, (4bS,8R,8aS,12bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



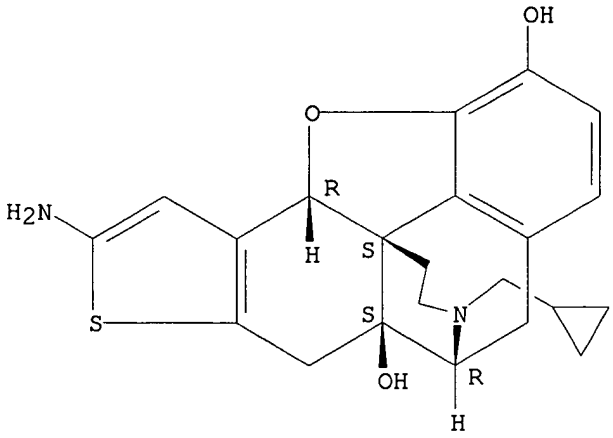

RN 326854-34-6 CAPLUS
CN Methanone, [(4bS,8R,8aS,12bR)-11-amino-7-(cyclopropylmethyl)-6,7,8,8a,9,12b-hexahydro-1,8a-dihydroxy-4,8-methano-5H-benzofuro[3,2-e]thieno[3,2-g]isoquinolin-12-yl]phenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.




RN 326854-35-7 CAPLUS
CN 4,8-Methano-8aH-benzofuro[3,2-e]thieno[3,2-g]isoquinoline-12-carboxamid-1,8a-diol, 11-amino-7-(cyclopropylmethyl)-5,6,7,8,9,12b-hexahydro-, (4bS,8R,8aS,12bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.




REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file uspatall
FILE 'USPATFULL' ENTERED AT 15:20:31 ON 15 JAN 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 15:20:31 ON 15 JAN 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

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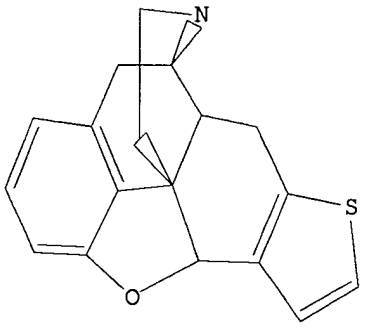
L4 STR




Structure attributes must be viewed using STN Express query preparation.
L6 7 SEA FILE=REGISTRY SSS FUL L4
L8 0 SEA L6